

Substitute for form 1449A/PTO

OCT 30 2007

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Sheet	1	of	49	Application Number	09/110,694
				Filing Date	7/7/1998
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
				Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		1,001,589		Hatfield	08-23-1911	
		2,708,656		Fermi	05-17-1955	
		3,297,484		Niedrach	01-10-1967	
		3,300,345		Lyons	01-24-1967	
		3,359,422		Pollock	12-19-1967	
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		3,448,035		Serfass	06-03-1969	
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		3,669,745		Beccu	06-13-1972	
		3,701,632		Lovelock	10-31-1972	
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		3,835,019		Lovelock	09-10-1974	
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		4,149,931		Christensen	04-1979	
		4,202,004		Anderson	05-1980	
		4,265,720		Winstel	05-05-1981	

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		4,274,938		Schulten	06-23-1981	
		4,337,126		Gilligan, III et al.	06-29-1982	
		4,464,990		Bendler	08-14-1984	
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		4,664,904		Wolfrum	05-12-1987	
		4,694,755		Ibarra	10-22-1987	
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		5,318,675		Patterson	06-07-1994	
		5,372,688		Patterson	12-13-1994	

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		5,449,434		Hooke et al.	09-1995	
		5,577,090		Moses	11-1996	
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		5,801,971		Ohta	09-1998	
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		5,864,322		Pollon et al.	01-1999	
		5,883,005		Minton et al.	03-1999	
		5,888,414		Collins et al.	03-1999	
		5,969,470		Druz et al.	10-1999	
		6,024,935		Mills, et al.	02-15-2000	
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		6,149,829		Takamatsu et al.	11-2000	
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		6,444,137		Collins et al.	09-2002	
		6,551,939		Takamatsu et al.	04-2003	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		WO	90/10935	A1	Pons	09-20-1990		
		WO	90/14668	A2	Cravens	11-29-1990		
		WO	91/01036	A1	Dufour	01-24-1991		
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		WO	93/17437	A1	Bush	09-02-1993		
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		WO	99/26078	A1	Mills	5-27-1999		
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		WO	00/07931	A1	Mills	02-17-2000		
		WO	00/07932	A2	Mills	2-17-2000		
		WO	00/25320	A1	Davies	05-04-2000		
		WO	01/095944	A2	Mills	12-20-2001		
		WO	01/18948	A1	Mills	3-15-2001		
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		WO	02/087291	A2	Mills	10-31-2002		
		WO	02/088020	A2	Mills	11-7-2002		
		WO	02/16956	A1	Mills	2-28-2002		
		WO	03/093173	A2	Mills	11-13-2003		

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		WO	03/066516	A2	Mills	8-14-2003		
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		WO	2005/116630	A1	Mills	12-08-2005		
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		EP	0 392 325	A3	Semiconductor Energy Lab	10-17-1990		
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		JP	53-134792		Ind. Res. Inst. Of Japan	11-24-1978		
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		GB	2 343 291		Lloyd Wise, Tregear & Co.	05-13-2000		
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		Alber, et. al. "Search for Neutrons from Cold Nuclear Fusion." <i>Z. Phys. A - Atomic Nuclei</i> , Vol 333, 1989, pp. 319-320.	
		Alessandrello, et. al. "Search for Cold Fusion Induced by Electrolysis in Palladium." <i>Il Nuovo Cimento</i> , Vol 103A, No 11, November 1990, pp. 1617-1638.	
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		Associated Press. "Physicist: Utah Cold-Fusion Gear Doesn't Work." <i>The Washington Post</i> , March 29, 1990, p. A3.	
		"Atomic Physics Progress Report 1995-1996" (internet page) atomp2.fysik.lth.se/AFDOCS/Prog956/contents.asp (author and date unknown)	
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		"Atomic Spectroscopy" (internet page) physics.nist.gov/Pubs/AtSpec/node20.html (author and date unknown)	
		Baard, Erik. "The Empire Strikes Back." <i>The Village Voice</i> , April 26-May 2, 2000	
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		Benetskii, et. al. "An Attempt to Observe Cold Thermonuclear Fusion in a Condensed Medium." <i>Nuclear Research Institute</i> , AS USSR, May 1989, pp. 75-78.	
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		BlackLight Power, "Executive Summary," January 11, 1999, pp. 1-6	
		Blacklight Power, Inc., "Second Shareholder Newsletter '97" < http://web.archive.org/web/19980212141859/blacklightpower.com/sharenews2.html >	
		Blue. "Cold Fusion Lies 6." <i>Deja News on the Internet</i> , April 13, 1997, pp. 1-2, available at http://x7.dejanew/us.com	
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		Blue. "Randell Mills' Sells Pot Shards." <i>Deja News on the Internet</i> , April 30, 1997, pp. 1-2, available at http://x7.dejanew/us.com .	
		Boniface, et. al. "Calorimetry for a Ni/K ₂ CO ₃ Cell." AECL Research, June 1994.	
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		Braaten. "Ridiculously Easy Test Yields Claim of Energy Triumph." <i>The Washington Times</i> , March 24, 1989, p. A5.	
		Bradford. "A Calorimetric Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994.	
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		Brewer, Shelby T. Book review of "The grand Unified Theory of Classical Quantum Mechanics (Hardcover) by Randell L., Dr. Mills." (internet page) http://www.amazon.com/gp/product/product-description/0963517139/ref=dp_proddesc_0/103-5711659-8507030 (date unknown)	
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		Broad. "Cold-Fusion Claim is Faulted on Ethics as Well as Science." <i>The New York Times</i> , March 17, 1991, pp. 1 and 30.	
		Brodowsky, "Solubility and diffusion of hydrogen and deuterium in Palladium and Palladium Alloys," <i>Tech. Bulletin, England Indust.</i> , Vol. 7, No. 1-2 (1966), pp. 41-50.	
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		Browne. "Physicists Put Atom in 2 Places at Once." <i>The New York Times</i> .	
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				Examiner Name	Kalafut
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			Group Art Unit	1745	
			Examiner Name	Kalafut	
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		84. Mills et al., "Comparison of Balmer α Line Broadening and Power Balances of Helium-Hydrogen Plasma Sources," Braz. J. Phys., submitted. (Internet Publication Date: March 12, 2003.)		
		83. Mills et al., "Comparison of Water-Plasma Sources of Stationary Inverted Balmer and Lyman Populations for a CW HI Laser," J. Appl. Spectroscopy, in preparation.		
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		52. Mills et al., "Bright Hydrogen-Light Source due to a Resonant Energy Transfer with Strontium and Argon Ions," New Journal of Physics, Vol. 4, (2002), pp. 70.1–70.28. (Internet Publication Date: October, 2002)	
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		44. Mills, et. al. "Synthesis and Characterization of Lithium Chloro Hydride", <i>International Journal of Hydrogen Energy</i> , submitted. (Internet Publication Date: January 7, 2002.)	
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		12. Mills et al., "Formation of a Hydrogen Plasma from an Incandescently Heated Hydrogen-Catalyst Gas Mixture with an Anomalous Afterglow Duration," Int. J. Hydrogen Energy, Vol. 26, No. 7, July, (2001), pp. 749–762. (Internet Publication Date: June 28, 2000.)	
		11. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," Int. J. Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 309–326. (Internet Publication Date: June 27, 2000.)	
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Examiner Signature			Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/110,694
				Filing Date	7/7/1998
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	47	of	49	Attorney Docket Number	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		4. Mills et al., "Fractional Quantum Energy Levels of Hydrogen," Fusion Technology, Vol. 28, No. 4, November, (1995), pp. 1697–1719. (Internet Publication Date: Nov. 1, 2001.)	
		3. Mills et al., "Dihydrino Molecule Identification," Fusion Technology, Vol. 25, 103-119 (Jan. 1994). (Internet Publication Date: April 11, 2001.)	
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Examiner Signature			Date Considered

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Sheet	48	of	49	Attorney Docket Number	

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		Mills,. "Author's response 'A possible trick of Hydride atom'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, p. 1225.	
		Mills, "BLACKLIGHT POWER TECHNOLOGY: A New Clean Energy Source with the Potential for Direct Conversion to Electricity," <i>International Conference on Global Warming and Energy Policy</i> , Ft. Lauderdale, Florida, November 26-28, 2000. Internet Publication 1/19/01	
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		Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 1-9	
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		Mills, "Author's response to 'Hydrino atom: novel chemistry or invalid physics'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1233.	
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Examiner Signature			Date Considered

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		Application Number	09/110,694		
		Filing Date	7/7/1998		
		First Named Inventor	Mills		
		Group Art Unit	1745		
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Sheet	49	of	49	Attorney Docket Number	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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		Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 13-14, BlackLight Power, Inc., pp. 433-440, 2001.	
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ATTACHMENT A

		Date(s)	Compensation Arrangements	Cash Payments Made	Options Issued	Shares Owned
AKHTAR (Employee)	Dr. Kamran	-	Employee Salary	-	EE Options Only	None
BALDWIN (NASA)	Dr. R.	-	-	-	None	None
BONIFACE (Chalk River Labs)	Dr. H.A.	-	-	-	None	None
BRADFORD (PSU Student)	Dr. Michael	9/13/1994	Ad Hoc/ One-time Only	9/13/1994	None	None
CHANG (Employee)	Dr. Zhixiang	-	Employee Salary	-	EE Options Only	None
CHEN (EE & Consultant)	Dr. Chun-Ku	6/1/04-5/31/05	\$50/hour	2/7/2005	EE Options Only	None
CHEN (Employee)	Dr. Xuemin	-	Employee Salary	-	EE Options Only	None
CLARK (INP Greifswald)	Dr. H.R.	-	-	-	None	None
CONRADS (INP Greifswald transferred agrmnt to Conrads)	Dr. Johannes	8/4/99-9/23/05	2 wire transfers	2/14/00 6/12/01	Options granted from 9/9/96 to 8/5/97; some options expired; some options exercised 9/7/06	Some options exercised 9/7/06
CRAIG	Dr. W.Y.	-	-	-	None	None
CRAW-IVANCO (Chalk River Labs)	Dr. M.T.	-	-	-	None	None
DAYALAN (Employee)	Dr. Ethirajulu	-	Employee Salary	-	EE Options Only	None
DHANDAPANI (Employee)	Dr. Bala	-	Employee Salary	-	EE Options Only	None
DONG (EE & Consultant)	Dr. Jinquan	7/30/03-1/31/04 2/1/04-7/31/04 11/16/04-5/1/505	\$35/hour \$45/hour \$45hour	2/28/02 8/20/03	EE Options Only	None
ECHEZURIA (Employee)	Alejandra	-	Employee Salary	-	EE Options Only	None
FRALICK (Semitech)	Dr. G.C.	-	-	-	None	None
FUELLING (U Nevada)	Dr. Stephan	-	-	-	None	None
GAMBERALE	Luca	-	-	-	None	None
GERNERT (Thermacore)	Dr. N.J.	-	-	-	None	None
GOOD (EE & Officer)	William	-	Employee Salary	-	EE & Officer Options Issued Beginning 9/1/92	Shares Owned Beginning 1991

GREENIG (EE & Consultant)	Nelson	11/1/01-10/31/02 11/1/02-10/31/03 3/8/04-3/7/05 3/8/05-3/7/06 3/8/06-3/7/07 3/8/07-3/7/08	\$50/hour \$50/hour \$50/hour \$50/hour \$50/hour \$50/hour	7/19/95 4/27/01 10/14/02	EE Options Only	None
HALDEMAN (MIT Lincoln Labs)	Dr. C.W.	-	-	-	None	None
HE (Employee)	Dr. Jiliang	-	Employee Salary	-	EE Options Only	None
HICKS (Employee)	Steven	-	Employee Salary	-	EE Options Only	None
HILBORN (Chalk River Labs)	Dr. J.W.	-	-	-	None	None
ISELER (MIT Lincoln Labs)	Dr. G.W.	-	-	-	None	None
JACOX (INEL)	Dr. Michael	-	-	-	Options granted 9/9/96 to 3/3/97; all options expired	None
JANSSON (Rowan U)	Dr. Peter M.	6/10/02-10/31/02 (contract)	\$100 \$10	10/17/97 12/31/2002	None	Purchased shares 7/2/97; gifted to ex-wife and son 5/1/07
KNEIZYS	S.	-	-	-	None	None
KRYUKOV (Moscow Power Engineering Institute)	Dr. A.P.	-	-	-	None	None
KURTZ (PSU)	Dr. Stewart	-	-	-	Options granted 9/9/96 to 11/8/02; some expired	None
LEE (U of Ohio)	Dr. Jang-Jung	-	-	-	None	None
LU (EE & Consultant)	Dr. Ying	8/6/01 5/9/03-5/16/03 5/27/03-5/30/03 5/30/03-6/30/03 7/1/03-7/31/03 8/1/03-1/30/04	\$100/hour \$80/hour \$80/hour \$45/hour \$45/hour \$45/hour	10/01/01 5/23/03	EE Options Only	None
MARCHESE (Rowan U)	Dr. Anthony J.	6/10/02-10/31/02 (contract)	\$10 non-material	12/31/2002	None	None
MAYO (EE & Consultant)	Dr. Robert	6/8/01-8/8/01	\$50/hour	7/23/2001	EE Options Only	None
MEYERS (NASA)	Dr. I.	-	-	-	None	None
MILLER (Lehigh U)	Dr. Alfred	-	\$250	6/12/1997	Options granted 9/9/96 to 3/3/97; all options expired	None

MILLS (EE & Director)	Dr. Randell	-	Employee Salary	-	EE & Director Options Issued Beginning 9/9/96	Shares Owned Beginning 1991
NANSTEEL (EE & Consultant)	Dr. Mark W.	3/30/05-3/29/06 3/30/06-3/29/07 3/30/07-8/31/08	\$80/hour \$80/hour \$80/hour	8/24/2005	EE Options Only	None
NESTEROV (Moscow Power Engineering Institute)	Dr. S.B.	-	-	-	None	None
NIEDRA (NASA)	Dr. J.	-	-	-	None	None
NONINSKI (Brookhaven)	Dr. V.	-	-	-	None	None
ONUMA (Employee)	Dr. Takeyoshi	-	Employee Salary	-	EE Options Only	None
PACIFICORP		-	-	-	Options granted 4/7/97 to 4/27/98; some options expired	Purchased shares 9/20/96 & 7/2/97; transferred all shares to ScottishPower Ventures, Inc. 6/21/07
PETERSON (Westinghouse)	Dr. S.H.	-	-	-	None	None
PHILLIPS (PSU, UNM, LANL)	Dr. Jonathan	2/1/96-1/31/97 1/1/97-4/30/97 3/15/00-3/18/00 10/8/01-4/8/02 4/8/02-10/8/02 10/9/02-10/8/03 10/9/03-10/8/04 10/9/04-10/8/05 10/9/05-10/8/06 10/9/06-10/8/07	\$100/hour Options Only \$5,000 \$125/hour \$125/hour \$125/hour \$100/hour \$100/hour \$100/hour \$100/hour	4/26/95 5/9/00	Options granted 9/9/96-1/14/06; some options exercised	Some options exercised 9/1/06 & 2/20/07
RAY (Employee)	Dr. Paresh	-	Employee Salary	-	EE Options Only	None
SANKAR (EE & Consultant)	Dr. Jayasree	3/17/03-3/16/04 3/22/04-3/21/05	\$50/hour \$50/hour	-	EE Options Only	None
SAVOYE (MIT Lincoln Labs)	Dr. G.W.	-	-	-	None	None
SCHARER (U Wisconsin)	Dr. John	1/5/05-1/4/06 1/5/06-1/4/07 1/5/07-1/4/08	\$800/day \$100/hour \$110/hour	11/14/2005	None	None
SCHMALZEL (Rowan U)	Dr. John L.	6/10/02-10/31/02 (contract)	\$10 non-material	12/31/2002	None	None
SHANNON (Employee)	Tina	-	Employee Salary	-	EE Options Only	None
SHAUBACH (Thermacore)	Dr. R.M.	-	-	-	None	None
SIMMONS (Lehigh U)	Dr. G.	-	-	-	None	None
TREMBLAY (Chalk River Labs)	Dr. R.P.	-	-	-	None	None

TURNER (Spectral Data)	Dr. Gary L.	-	-	-	None	None
VOIGT (EE & Consultant)	Dr. Andreas	8/27/04-8/26/05	\$50/hour	-	EE Options Only	None
WATTS (INEL)	Dr. K.D.	-	-	-	None	None
WEISMANN	Dr. H.	-	-	-	None	None
WIESMANN	Dr. H.	-	-	-	-	-
WRUBEL (INP Greifswald)	Dr. Th.	-	-	-	None	None
ZEA (Employee)	Dr. Hugo	-	Employee Salary	-	EE Options Only	None

ATTACHMENT B

MASTER LIST OF CITED AND SUBMITTED DOCUMENTS

U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/110,694
				Filing Date	07/07/1998
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	1	of	1	Attorney Docket Number	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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				Examiner Name	Unassigned
Sheet	1	of	14	Attorney Docket Number	62-226-8AC5

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
		Number	Kind Code™ (if known)			
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
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		JP	56-136644		Hitachi	03-28-1980		X

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